



Home Improvement Spray Gun Pistolets Vaporisateur Domestiques Pistola Pulverizadora Para Uso Doméstico

Replacement Parts Manual
Manuel De Pièces De Rechange
Manual y Lista de Repuestos

Model DH4200
Modèle DH4200
Modelo DH4200

Description

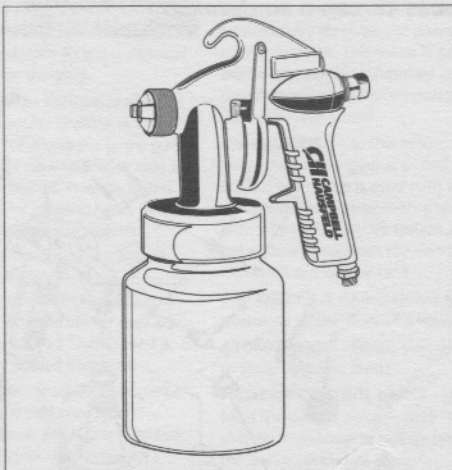
The DH4200 spray gun is a general purpose spray gun which handles all types of paints and materials. It can be converted for use with a separate pressure paint tank. Ideal for spraying small objects and doing detail work.

Description

Le pistolet vaporisateur DH4200 est un pistolet tous usages conçu pour tous types de peintures et de matériaux. Le pistolet est convertible pour usage avec un réservoir à peinture sous pression. Idéal pour la pulvérisation de petits objets et pour le travail de détail.

Descripción

La pistola pulverizadora DH4200 está diseñada para usos múltiples y puede utilizarse para aplicar todo tipo de pinturas y materiales. Esta pistola también puede utilizarse con un tanque de pintura presurizado separado. Es ideal para pintar objetos pequeños y para trabajos de acabado.



Specifications

Feed Type	Pressure/Siphon
Mix Type	Internal/External
Bleed Type	Bleeder/Non Bleeder
Fluid Nozzle I.D.	.052" (1.3mm)
Max. Inlet	
Air Pressure	50 PSIG
Air Req'd	2.0 Average
(SCFM @ 40 PSI)	3.5 Continuous
Pattern Size	7.0" @ 50 PSI
	8" Distance from work piece
Air Inlet	1/4 NPS (M)
Fluid Inlet	3/8 NPS (M)
Fluid Nozzle	
Material	Zinc plated steel
Fluid Needle	
Material	Stainless steel

Spécifications

Alimentation	Pression/Siphon
Mélange	Interne/Externe
Type de	
Purgeur	Purgeur/Non Purgeur
D.I. de Buse de	
Fluide	.052 po (1,3 mm)
Pression D'Arrivée	
D'Air Max	.345 kPa
Demande D'Air	.06 Moyen
(m³/min à 276 kPa)	.0,1 Continu
Taille de	
Configuration	.17,78 cm à 345 kPa
Distance de 20,32 cm de l'objet de travail	
Arrivée D'Air	1/4 NPS (M)
Arrivée de Fluide	3/8 NPS (M)
Matériel de Buse	
de Fluide	acier plaqué de zinc
Matériel d'Aiguille	
de Fluide	acier inoxydable

Especificaciones

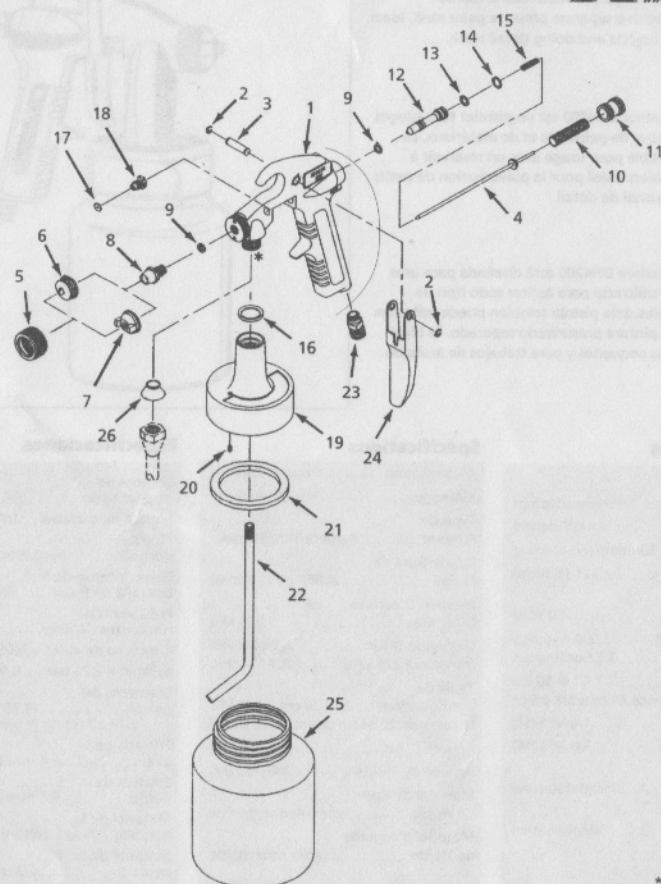
Sistema de	
alimentación	A presión/sifón
Mezcla de material	Interno/Externo
Tipo de	
purgador	Purgador/Sin Purgador
Diám. Interno de la	
boquilla de fluido	.052" (1,3mm)
Presión máx.	
suministro de aire	3,45 bar
Consumo de aire	.0,056 (promedio)
m³/min a 2,76 bar	.0,099 (continuo)
Diámetro del	
patrón	.17,78 cm a 3,45 bar
a 20,32 cm de la pieza de trabajo	
Entrada de	
aire	.6,4 mm (1/4") NPS (M)
Entrada de	
fluido	.9,5 mm (3/8") NPS (M)
Material de la	
boquilla	Acero galvanizado con zinc
Material de la	
aguja	Acero inoxidable

For Replacement Parts, call 1-800-543-6400

Pour Pièces De Rechange, appeler 1-800-543-6400

Para ordenar repuestos, sírvase llamar al concesionario más cercano a su domicilio

For parts, products & service information visit
POWER XPERT
www.campbellhausfeld.com



* 3/8 NPS (M)

Replacement Parts List

Please provide following information:
- Model number
- Serial number or date code (if any)
- Part description and number as shown in parts list

Address parts correspondence to:
The Campbell Group
Attn: Parts Department
100 Production Drive
Harrison, OH 45030 U.S.A.

Ref. No.	Description	Part No.	Qty
1	Gun body assembly	DH408900AV	1
2	Snap retaining ring	■	2
3	Trigger pin	■	1
4	Fluid needle assy.	●	1
5	Air cap lock ring	▲	1
6	Air cap (internal mix)	▲	1
7	Air cap (external mix)	▲	1
8	Fluid tip	●	1
9	11/32 x 7/32" O-ring	■	2
10	Spring	●	1
11	Material adjusting knob	●	1
12	Valve piston	●	1
13	3/8 x 1/4" O-ring	■	1
14	7/16 x 5/16" O-ring	■	1
15	Spring	●	1
16	11/16 x 7/8" O-Ring	■	1

Ref. No.	Description	Part No.	Qty
17	Packing	(●) (■)	1 set
18	Packing nut	●	1
19	Canister cover assembly	DH404200AV	1
20	5-40 x 1/8" Socket hd. setscrew	●	1
21	Canister gasket (pkg. of 3)	DH420400AV	1
22	Material tube	DH065700AV	1
23	Hose connection 1/4 NPS (M)	HF001800AV	1
24	Trigger	DH011800AV	1
25	Canister	DH054001AV	1
26	Fluid hose adapter	DH006900AV	1
(●)	1/16" Allen wrench	ST010900AV	1
REPAIR AND MAINTENANCE KITS AVAILABLE			
■	Gasket kit	DH420100AV	
●	Fluid control kit	DH420200AV	
▲	Air cap kit	DH420300AV	
(●)	Not Shown		

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Liste De Pièces De Rechange

S'il vous plaît fournir l'information suivante:
- Numéro du modèle
- Numéro de série or code de date (si applicable)
- Description et numéro de la pièce

Correspondance:
The Campbell Group
Attn: Parts Department
100 Production Drive
Harrison, OH 45030 U.S.A.

N° de Ref.	Description	No de Pièce	Qté.
1	Montage du corps de pistolet	DH408900AV	1
2	Bague de retenue	■	2
3	Goupille de gâchette	■	1
4	Assem. d'aiguille de fluide	●	1
5	Bague d'arrêt du capuchon d'air	▲	1
6	Capuchon d'air (mélange interne)	▲	1
7	Capuchon d'air (mélange externe)	▲	1
8	Buse de fluide	●	1
9	Joint torique 11/32 x 7/32 po	■	2
10	Ressort	●	1
11	Bouton de réglage de matériel	●	1
12	Piston d'appareil de robinetterie	●	1
13	Joint torique 3/8 x 1/4 po	■	1
14	Joint torique 7/16 x 5/16 po	■	1
15	Ressort	●	1
16	Joint torique 11/16 x 7/8 po	■	1
17	Garniture	(●) (■)	1 jeu

N° de Ref.	Description	No de Pièce	Qté.
18	Écrou de garniture	●	1
19	Assem. du couvercle de boîte	DH404200AV	1
20	Vis de pression à tête creuse 40 x 1/8 po	●	1
21	Joint d'étanchéité de la boîte (3)	DH420400AV	1
22	Tube de matériel	DH065700AV	1
23	Raccord de tuyau 1/4 NPS (M)	HF001800AV	1
24	Gâchette	DH011800AV	1
25	Boîte	DH054001AV	1
26	Adaptateur de tuyau de fluide	DH006900AV	1
(●)	Clé hexagonale 1/16 po	ST010900AV	1
NECESSAIRES D'ENTRETIEN ET DE RÉPARATION			
■	Nécessaire de joint d'étanchéité	DH420100AV	
●	Nécessaire de commande de fluide	DH420200AV	
▲	Nécessaire de capuchon d'air	DH420300AV	
(●)	Pas Indique		

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.



**CAMPBELL
HAUSFELD**
BUILT TO LAST

General Purpose Spray Guns

Description

Campbell Hausfeld General Purpose Spray Guns are designed to spray most types of paints and materials. They are ideal for home, farm, and commercial uses.

Safety Guidelines

This manual contains information that is very important to know and understand. This information is provided for SAFETY and to PREVENT EQUIPMENT PROBLEMS. To help recognize this information, observe the following symbols.

⚠ DANGER Danger indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.

⚠ WARNING Warning indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.

⚠ CAUTION Caution indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury.

⚠ NOTICE Notice indicates important information, that if not followed, may cause damage to equipment.

Unpacking

After unpacking the product, inspect carefully for any damage that may have occurred during transit. Make sure to tighten fittings, bolts, etc., before putting unit into service.

⚠ WARNING Do not operate tool if damaged during shipping, handling or use. Damage could result in bursting and cause injury or property damage.

Spray Gun Terms

FEED – Method used to bring material into the gun for spraying.

PRESSURE FEED – Method of material feed where a canister or paint tank is pressurized to force material to the gun. Either internal or external mix air caps are used with this method. Pressure feed is generally used for spraying heavy bodied materials or for large size projects.

SIPHON FEED – Method of material feed where atmospheric pressure creates a partial vacuum to siphon material to the gun. Only external mix air caps are used with this method. Siphon feed is used with light bodied materials.

GRAVITY FEED – Method of material feed similar to the siphon feed method. However, the cup is inverted to create a positive fluid pressure at the nozzle.

MIX – The mixing of material and air when spraying.

INTERNAL MIX – Process where the air and material are mixed inside the air cap just before being sprayed. This method is best for heavy bodied, slow drying materials and can only be used with the pressure feed method. Do not use fast drying materials with internal mix. The material will dry inside and quickly clog the air cap.

EXTERNAL MIX – Process where the air and material are mixed just after leaving the nozzle. This type of mix should be used for fast drying materials and when a high quality finish is needed.

BLEEDER/NON-BLEEDER – Indicates whether air flows through the gun continuously or as the trigger is pulled.

BLEEDER – In this mode, air passes continuously through the gun whether spraying or not. This mode is generally used when the air is supplied by a continuously running compressor that does not have a tank.

NON-BLEEDER – In this mode, air flows only when the trigger is pulled. This type of operation is used with a compressor equipped with a tank or with a large factory air system. Do not use with a continuous run compressor that does not have a tank.

VISCOSITY – A measurement of the resistance of the flow of a liquid.

ATOMIZATION – Conversion of liquid to spray droplets (mist).

PATTERN CONTROL KNOB – Used to form the proper pattern (size and shape) of material as it is sprayed from the gun to the work piece.

FLUID CONTROL KNOB – Used to control the amount of material being mixed with air.

PAINT TANK – An auxiliary pressurized paint reservoir that allows continuous spraying of large amounts of paint without stopping for refills as with a canister. It also allows using the spray gun at any angle or orientation.

Model Descriptions

MODEL DH3200

- Comes from the factory as a pressure feed bleeder type only, and is not convertible to non-bleeder operation. Generally, this model is used with non-tank type continuous run compressors.
- Uses internal or external mix air caps.
- Has fluid control knob.

Model Descriptions (Cont.)

- Adjusts for vertical or horizontal patterns.

NOTE: This gun **cannot** be used with a paint tank.

MODEL DH4200

- Comes from the factory as a pressure feed, non-bleeder type; convertible to siphon feed, bleeder type or any combination of these types
- Uses internal or external mix air caps.
- Has fluid control knob.
- Adjusts for vertical or horizontal patterns.
- May be used with a paint tank.

MODEL DH530001

- Comes from the factory as a non-bleeder, siphon feed, external mix gun. Can be converted to bleeder, pressure feed, internal mix type.
- Switches easily from siphon to pressure feed with the twist of a knob.
- Uses internal or external mix air caps.
- Has fluid control knob.
- Has pattern control knob.
- Adjusts for vertical or horizontal patterns.
- May be used with a paint tank.

General Safety

- Read all manuals included with this product carefully. Be thoroughly familiar with the controls and the proper use of the equipment.
- Follow all local electrical and safety codes as well as in the United States, the National Electrical Codes (NEC), Occupational Safety and Health Act (OSHA) and the Environmental Protection Agency (EPA).

⚠ WARNING

Use a face mask/respirator and protective clothing when spraying. Always spray in a well ventilated area to prevent health and fire hazards. Refer to Material Safety Data Sheets (MSDS) of spray material for details.

⚠ DANGER

Never spray closer than 25 feet to the compressor! If possible, locate compressor in separate room. Never spray into the compressor, compressor controls or the motor.

- Do not smoke or eat when spraying paint, insecticides, or other flammable substances.

⚠ WARNING

Do not spray flammable materials in vicinity of open flame or near ignition sources. Motors, electrical equipment and controls can cause electrical arcs that will ignite a flammable gas or vapor. Never store flammable liquids or gases in the vicinity of the compressor.

- When spraying and cleaning, always follow the instructions and safety precautions provided by the material manufacturer (Refer to MSDS).

⚠ WARNING

Do not spray acids, corrosive materials, toxic chemicals, fertilizers or pesticides. Using these materials could result in death or serious injury.

- Keep visitors away and NEVER allow children or pets in the work area.

⚠ WARNING

Never aim or spray at yourself or anyone else or serious injury could occur.

- Always work in a clean environment. To avoid injury and damage to the workpiece, do not aim the spray gun at any dust or debris.

⚠ WARNING

Do not use pressure that exceeds the operating pressure of any of the parts (hoses, fittings, etc.) in the painting system.



⚠ CAUTION

Keep hose away from sharp objects. Bursting air hoses may cause injury. Examine air hoses regularly and replace if damaged.

- Always use a pressure regulator on the air supply to the spray gun.

⚠ NOTICE

Failure to install appropriate water/oil removal equipment may result in damage to machinery or workpiece.

Set Up

USE OF AIR CAPS

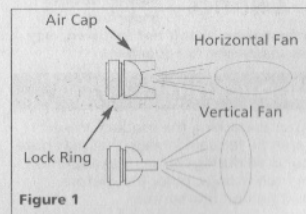
Internal Mix—Generally used with slow drying, heavy bodied materials and for faster material application. NOT to be used with fast drying paints and lacquers which will clog the opening in the air cap.

INTERNAL MIX CAPS MUST BE USED WITH PRESSURE FEED operation.

External Mix—Used for quick drying, light bodied materials such as lacquers and synthetic enamels. Better for finer finish work. **THESE CAPS CAN BE USED WITH EITHER SIPHON OR PRESSURE FEED.**

FAN DIRECTION

The direction of the fan (horizontal or vertical) can be changed by loosening the lock ring and turning the air cap 90 degrees (See Figure 1). Hand tighten lock ring after adjustment.



FLUID FEED

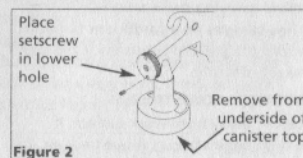
MODEL DH3200

This model is capable of pressure feed only.

Set Up (Cont.)

MODEL DH4200

This model is capable of pressure or siphon feed. Standard set-up is pressure feed mode; change to siphon mode for a finer finish using light materials. To change modes, remove setscrew from the canister top and place in the lower part of the gun head (See Figure 2).



MODEL DH530001

This model is capable of pressure or siphon feed. The gun is shipped in siphon feed mode but should be checked before use to ensure the desired feed method is selected. The feed method is easily changed by fully turning the side knob (See Figure 3).

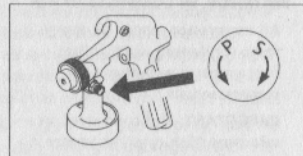


Figure 3 - Changing feed method

USING A PRESSURIZED PAINT TANK

All of the spray guns in this manual except Model DH3200 are readily adaptable for use with a pressurized paint tank. This allows continuous spraying of large quantities of paint without stopping. It also allows the gun to be used while being held in ANY position without spilling paint.

The proper connections to make when using a pressurized paint tank are as illustrated in Figure 4. Refer to the instructions supplied with the paint tank for connections and usage. **DO NOT USE A PAINT TANK WITHOUT READING THOSE INSTRUCTIONS.**

Prepare the spray guns for use with the paint tank as follows:

MODEL DH4200

- Remove canister.
- Unscrew the material tube.
- Unscrew canister top and O-ring.
- Remove setscrew from hole in canister cover.
- Remove air cap to expose the fluid tip.
- Locate the small tapped hole below the fluid tip and assemble the setscrew into this hole.
- Fasten the material hose from the paint tank to the gun body in place of the canister.

NOTE: Be sure to use the adapter (Ref. No. 26) pictured on the exploded view of the replacement parts list when attaching the material hose.

MODEL DH530001

- Remove the canister.
- Unscrew the material tube.
- After the tube is removed, locate the brass locknut and remove the nut using a 14 mm hex socket.
- Remove the canister top and gasket.
- Attach the material hose from the paint tank to the spray gun.
- Pressure/siphon valve knob must be tightened clockwise (S direction) when using a pressurized paint tank connected as shown in Figure 4. This will prevent pressurized air from escaping out of the canister pressure valve port when the canister is not used.

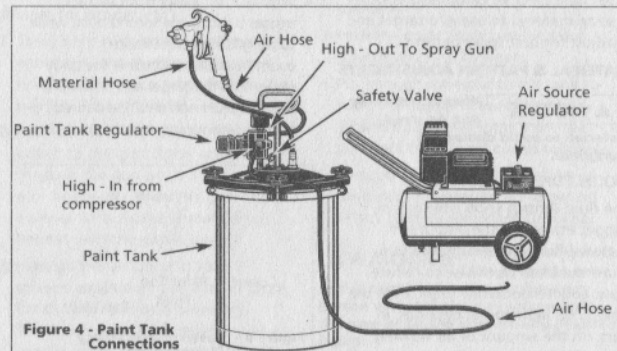


Figure 4 - Paint Tank Connections

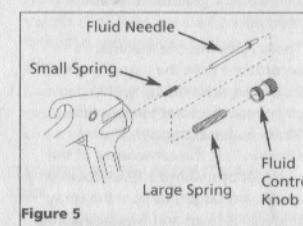
NON-BLEEDER TO BLEEDER CONVERSION

IMPORTANT: Spray guns except Model DH3200 are shipped for non-bleeder operation. The DH3200 model is not convertible

MODEL DH4200

(See Figure 5)

- Remove fluid control knob, large spring and fluid needle.
- Remove and retain small spring or place inside large spring to store.
- Reassemble unit by reversing step 1.



MODEL DH530001

(See Figure 6)

- Remove spray gun from air supply.
- Remove fluid control knob and the fluid needle spring.
- Remove air valve spring and store the spring in a safe place so it can be replaced if necessary to convert back to a non-bleeder type arrangement.
- Insert fluid needle spring and replace fluid control knob.

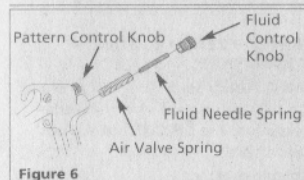


Figure 6

Preparation

MATERIAL PREPARATION

1. Before using desired material in the spray gun, spray a compatible thinner or solvent through the gun to remove any contaminants and residue.
2. Thoroughly mix the material in accordance with the manufacturer's instructions. If necessary, thin per paint manufacturer's instructions. Strain material through a paint strainer. Test the consistency of the material by making a few strokes on a cardboard target. Be sure the spray material is clean and free from lumps.
3. Fill the canister about 3/4 full with material and start the air compressor. Be sure the hose(s) is long enough to allow a full movement of the gun across the surface to be painted.
4. Be sure that the air pressure regulator is set for the proper operation of the gun. Refer to the specifications section. Air pressure should be checked at the spray gun inlet with the trigger pulled.
5. Set up a piece of cardboard or other scrap material to use as a target and adjust for best spray pattern.

MATERIAL & PATTERN ADJUSTMENTS

▲ NOTICE Always test spray material to avoid damage to workpiece.

MODELS DH3200 & DH4200

The fluid control knob will control trigger travel and the amount of material flowing through the gun. (Turn the knob clockwise to reduce flow, counterclockwise to increase the flow.) This adjustment depends, in part, on the amount of air flowing through the gun. Air flow can be

adjusted only at the compressor's pressure regulator. Spray test patterns on scrap cardboard with gun 8" away from surface. Trigger short, one second bursts and make adjustments with this knob until the pattern is the desired oval shape and the material is evenly distributed on the surface with no heavy or thin spots. The pattern should feather out at the edges (See Figure 8).

NOTE: If there is sagging, too much material is being applied. If there is an "orange peel" effect, the material is too thick.

MODEL DH530001

1. Adjust air pressure to the spray gun according to the recommendations supplied with the spray material. This air pressure usually falls between 30-50 PSI.
2. Set pattern size to desired shape. For full pattern, open pattern control knob by turning counterclockwise. For a round pattern, turn pattern control knob clockwise (See Figure 7).

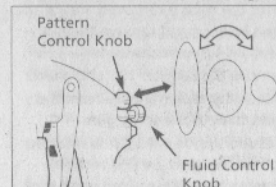


Figure 7 - Pattern Size

3. Turn fluid control knob fully clockwise until closed.
4. With gun 8" away from surface, trigger a short, one second burst while turning fluid control knob counterclockwise. Observe the spray pattern on the target and adjust the fluid control knob until the desired pattern (atomization) is obtained (See Figure 8).

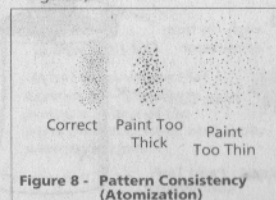


Figure 8 - Pattern Consistency (Atomization)

If the spray is too fine (excessive overspray), caused by too much air for the amount of paint being sprayed, reduce the air pressure or open the fluid control to spray more material.

If the spray is too coarse (spitting globs), reduce the amount of material with the fluid control knob or thin the material.

NOTE: If there is sagging, too much material is being applied. If there is an "orange peel" effect, the material is too thick.

Before spraying the workpiece, practice a few minutes on a cardboard target to ensure the pattern consistency and size are set correctly.

DISTANCE ADJUSTMENTS

Start 6" away from work surface. If pattern begins to run, move back an inch and try again. The pattern will be dry and thin and may feel rough if sprayed from too far away.

SPEED OF STROKE ADJUSTMENTS

If speed of stroke is too slow, paint will be wet on work surface and may run. If speed of stroke is too fast, paint will be dry and uneven on work surface.

WATER/OIL IN COMPRESSED AIR

All compressor pumps discharge some condensed water, oil or contaminants with the compressed air.

IMPORTANT: This condensation will cause "fish eyes" to appear in the paint job. Install appropriate water/oil removal equipment (such as filters and dryers) and controls as necessary for the intended application.

▲ NOTICE Failure to install appropriate water/oil removal equipment may result in damage to machinery or workpiece.

Operation

1. Begin spraying. Always keep the gun at right angles to the work by flexing your wrist while making the paint stroke. (See Figure 9).

NOTE: Do not keep the wrist stiff during the stroke and do not "fan" the

Operation (Cont.)

gun from side to side in an arc while spraying. This type of motion brings the gun close to the surface and deposits a heavy concentration of material in the center of each stroke and applies an insufficient concentration of material at the end of the stroke. This will make a very poor, irregular paint job (See Figure 10).



Figure 9

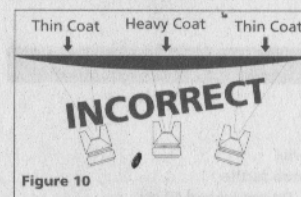


Figure 10

Keep the nozzle about 6 to 9 inches from the work surface throughout the stroke and always keep the gun in motion while spraying. Stopping gun movement in mid-stroke will cause a build up of material and result in "runs."

2. "Trigger" the gun properly. Start the gun moving at the beginning of the stroke BEFORE SQUEEZING THE TRIGGER and release the trigger BEFORE STOPPING GUN MOVEMENT at the end of the stroke. This procedure will "feather" (blend) each stroke with the next without showing overlap or unevenness (See Figure 11).

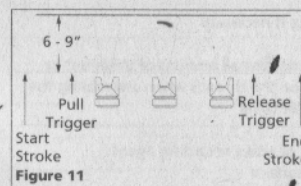


Figure 11

3. The amount of material being applied can be varied by the speed of the stroke, distance from the

surface and adjustment of the fluid control knob.

Overlap strokes just enough to obtain an even coat (See Figure 12).

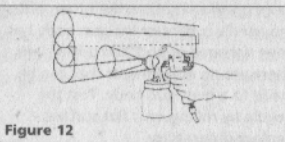


Figure 12

5. Use a piece of cardboard as a shield to catch overspray at the edges of the work to protect other surfaces. Use masking tape to cover other areas if needed.

NOTE: Two thin coats of material will yield better results and have less chance of runs than one heavy layer.

Maintenance

DAILY CLEAN-UP

Local codes may require specific cleaning methods and equipment. Follow local codes and manufacturer's recommendations for the use and disposal of spray materials and solvent.

▲ NOTICE Clean spray gun immediately after use. Paint and other materials dry quickly in the small passages rendering gun useless due to the difficulty of removing hardened materials from the passages inside the gun.

NOTE: In the instructions below, "solvent" refers to the specific solvent for the material used (eg: lacquer thinner for lacquer, etc.).

1. Spray guns with canister—Remove and empty the canister; then rinse with a solvent recommended for the paint or other material used.
2. Refill canister with clean solvent and attach to the gun. Spray solvent through the gun while shaking the gun vigorously. Wipe the gun exterior with a solvent soaked rag. Repeat until the gun is clean.
3. Remove the air cap and soak in solvent until clean. Use a small brush for stubborn stains if necessary. Toothpicks or small brushes may be used to clean air passages; however,

NEVER USE METAL OBJECTS TO CLEAN PRECISELY DRILLED PASSAGES. DAMAGED PASSAGES WILL CAUSE IMPROPER SPRAYING.

4. Clean gaskets with a solvent soaked rag. To prevent equipment damage, Do not immerse gaskets or spray gun body in solvents.
5. After using water to clean out water based paints or materials, spray mineral spirits through the gun to prevent corrosion.
6. Use a non-silicone oil on all moving parts when reassembling. Use Vaseline® or light grease on all threaded connections prior to storage.
7. Clean and flush gun thoroughly to neutralize any contaminants corrosive to the spray gun.

CLEANING A GUN USED WITH A PAINT TANK

▲ WARNING

Shut off the air supply to the tank and release the pressure in the tank.



1. Open the vent on the paint tank. If using an external mix air cap, loosen the cap slightly.
2. Reduce air pressure to 10-20 psi. Hold a piece of wadded cloth tightly around the air cap opening(s) and pull the trigger. The air will back up through the fluid tip and force the paint out of the hose and back into the tank.
3. Pour the paint from tank and use solvent and rags to clean.
4. Put enough solvent into the tank to wash the hose and gun thoroughly. Close the tank and spray from the gun until the solvent comes out clean.
5. Remove and blow out the material hose with compressed air to get rid of any trace of solvent in the hose.

▲ WARNING When blowing out the hose, the open end should be aimed away from any person to avoid blowing solvent into the eyes or on the skin causing possible injury.

Maintenance (Cont.)**PERIODIC CLEAN-UP**

Due to dirty, lumpy paint etc., it may be necessary to inspect and clean the internal parts and the gun body.

1. Examine openings in air cap and fluid tip. If clogged, remove any o-rings and soak the air cap or fluid tip in solvent.

2. A brush or toothpick or something similar may be used to dislodge the dried paint from holes and passages.

NEVER USE METAL OBJECTS TO CLEAN PRECISELY DRILLED PASSAGES. DAMAGED PASSAGES WILL CAUSE IMPROPER SPRAYING.

3. Remove and check the adjusting needle for excessive wear at the tip and straightness.

IMPORTANT: If the needle tip is worn more on one side than the other, either the needle is bent or the gun body has been dropped or knocked out-of-line. There are no adjustments that can be made to a bent gun body. Test the needle by rolling on a flat surface. Replace if necessary.

4. Check and replace any damaged o-rings and seals. O-rings and seals can be wiped clean but not soaked in solvent.

5. Unscrew packing nuts and replace the packing **ONLY** if a leak will not

stop when the nut is tightened. Do not over-tighten a packing nut because this will restrict movement of the needle.

6. Reassemble in reverse order of these steps and use a non-silicone oil on moving parts. Apply Vaseline® or light grease on threaded joints and hose connections.

STORING

1. When not using spray gun, turn the fluid control knob counterclockwise to open reducing spring tension on needle fluid tip.

2. Spray gun **MUST BE** well cleaned and lightly lubricated.

Troubleshooting Chart

Symptom	Possible Cause(s)	Corrective Action
Spray pattern too small	1. Dried material lodged in openings of air cap 2. Lumpy material 3. Not enough material 4. Insufficient fluid pressure	1. Clean air cap 2. Thin and strain material 3. Open fluid control knob further 4. Increase air pressure. Do not exceed 50 psi
Unsatisfactory spray pattern	1. Material too heavy 2. Dirty air cap 3. Too much material being applied 4. Spray pattern too wide	1. Thin material 2. Clean 3. Close fluid control knob to reduce material flow 4. Close fluid control knob further or move closer to the work
Too much spray mist	1. Too much air pressure for material being sprayed 2. Material too thin	1. Reduce air pressure 2. Mix with thicker material. Reduce air pressure. Open fluid control knob gradually
Leakage around fluid packing nut	1. Packing too loose 2. Worn or dry packing	1. Tighten packing nut. Replace packing if tightening does not stop leakage 2. Replace or lubricate with non-silicone oil
Leakage around canister and canister cover	1. Canister gasket not seating properly 2. Canister not tightened securely	1. Clean gasket. Replace if necessary 2. Tighten securely. Apply a small amount of Vaseline® or mineral type grease on the threads when assembling the canister to the canister cover
Orange Peel (Rough rolling appearance similar to an actual orange peeling)	1. Material drying too fast 2. Gun too far from surface 3. Material too thick	1. Use a slower solvent or add a retarding agent 2. Move gun closer to surface 3. Thin material per thinning instructions

Troubleshooting Chart (Continued)

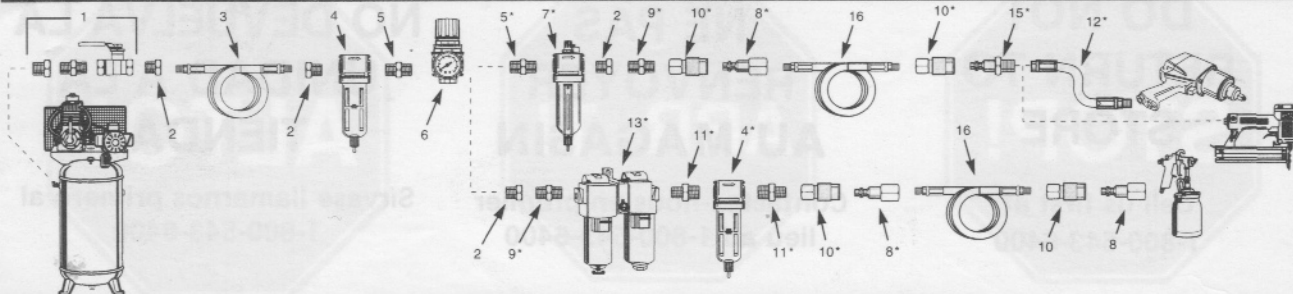
Symptom	Possible Cause(s)	Corrective Action
Runs and sags	1. Material too thin 2. Moving gun too slow 3. Excessive material flow 4. Gun too close to surface	1. Add material to increase thickness 2. Move gun more quickly 3. Turn material control knob clockwise to reduce flow 4. Move gun further from surface
Mottled, rough surface finish	1. Too much thinner 2. Poor spray technique	1. Reduce thinner 2. Refer to "Operation" for spraying instructions

Notes

Limited Warranty

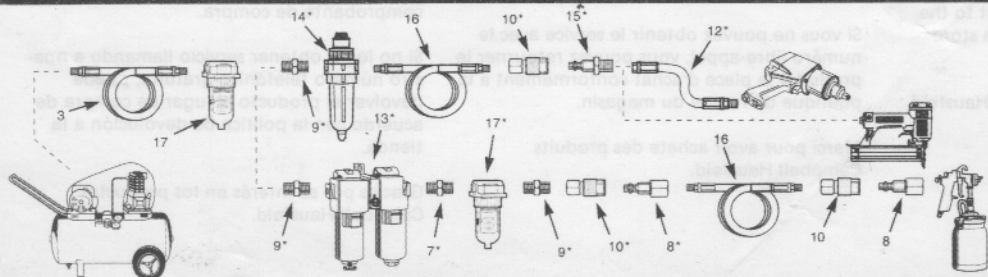
1. DURATION: From the date of purchase by the original purchaser as follows: Standard Duty Products - One Year, Serious Duty Products - Two Years, Extreme Duty Products - Three Years.
2. WHO GIVES THIS WARRANTY (WARRANTOR): Campbell Hausfeld / Scott Fetzer Company, 100 Production Drive, Harrison, Ohio, 45030, Telephone: (800) 543-6400
3. WHO RECEIVES THIS WARRANTY (PURCHASER): The original purchaser (other than for purposes of resale) of the Campbell Hausfeld product.
4. WHAT PRODUCTS ARE COVERED BY THIS WARRANTY: Any Campbell Hausfeld nailer, stapler, air tool, spray gun, inflator or air accessory supplied or manufactured by Warrantor.
5. WHAT IS COVERED UNDER THIS WARRANTY: Substantial defects in material and workmanship which occur within the duration of the warranty period.
6. WHAT IS NOT COVERED UNDER THIS WARRANTY:
 - A. Implied warranties, including those of merchantability and FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED FROM THE DATE OF ORIGINAL PURCHASE AS STATED IN THE DURATION. If this product is used for commercial, industrial or rental purposes, the warranty will apply for ninety (90) days from the date of purchase. Some States do not allow limitation on how long an implied warranty lasts, so the above limitations may not apply to you.
 - B. ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE, OR MALFUNCTION OF THE CAMPBELL HAUSFELD PRODUCT. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
 - C. Any failure that results from an accident, purchaser's abuse, neglect or failure to operate products in accordance with instructions provided in the owner's manual(s) supplied with product. Accident, purchaser's abuse, neglect or failure to operate products in accordance with instructions shall also include the removal or alteration of any safety devices. If such safety devices are removed or altered, this warranty is void.
 - D. Normal adjustments which are explained in the owner's manual(s) provided with the product.
 - E. Items or service that are normally required to maintain the product, i.e. o-rings, springs, bumpers, debris shields, driver blades, fuses, batteries, gaskets, packings or seals, fluid nozzles, needles, sandblast nozzles, lubricants, material hoses, filter elements, motor vanes, abrasives, blades, cut-off wheels, chisels, chisel retainers, cutters, collets, chucks, rivet jaws, screw driver bits, sanding pads, back-up pads or any other expendable part not specifically listed. These items will only be covered for ninety (90) days from date of original purchase. Underlined items have warranty for defects in material and workmanship only.
7. RESPONSIBILITIES OF WARRANTOR UNDER THIS WARRANTY: Repair or replace, at Warrantor's option, products or components which are defective, have malfunctioned and/or failed to conform within duration of the warranty period.
8. RESPONSIBILITIES OF PURCHASER UNDER THIS WARRANTY:
 - A. Provide dated proof of purchase and maintenance records.
 - B. Deliver or ship the Campbell Hausfeld product or component to the nearest Campbell Hausfeld Authorized Service Center. Freight costs, if any, must be borne by the purchaser.
 - C. Use reasonable care in the operation and maintenance of the products as described in the owner's manual(s).
9. WHEN WARRANTOR WILL PERFORM REPAIR OR REPLACEMENT UNDER THIS WARRANTY:
 - A. Repair or replacement will be scheduled and serviced according to the normal work flow at the servicing location, and depending on the availability of replacement parts.
 - B. If the purchaser does not receive satisfactory results from the Authorized Service Center, the purchaser should contact Campbell Hausfeld (see paragraph 2).

This Limited Warranty applies in the U.S. and Canada only and gives you specific legal rights. You may also have other rights which vary from state to state or country to country.

STATIONARY SET-UP -- MONTAGE STATIONNAIRE -- INSTALACION FIJA


Ref.	Description	Description	Description	P/N
1	Shut-off valve kit	Jeu de soupape d'arrêt	Juego de válvulas de cierre	PA1170
2	Reducer	Réducteur	Reductor	PA1112
3	25' Air hose	Tuyau à air de 7,6 m	Manguera de aire de 7,6 m	MP2824
4	Filter	Filtre	Filtro	● PA2121
5	Nipple	Raccord	Niple	MP2136
6	Regulator	Régulateur	Regulador	● PA2123
7	Lubricator	Graisier	Lubricador	● PA2081
8	Plug	Bouchon	Conector	PA1012 or PA1157
9	Male connector	Raccord mâle	Conector macho	MP2118
10	Coupler	Raccord	Acoplador	PA1013 or PA1155

Ref.	Description	Description	Description	P/N
11	Male Adapter	Adaptateur mâle	Adaptador macho	PA1111
12	Whip hose	Tuyau à fouet	Manguera principal	MP5137
13	Cleaner/Dryer	Nettoyeur/Sécheur	Purificador/secador	PA2085
14	Lubricator	Graisier	Lubricador	MP5158
15	Plug	Bouchon	Conector	PA1011 or PA1153
16	50' Air hose	Tuyau à air de 15,24 m	Manguera de aire de 15,24 m	PA1045
17	Filter	Filtre	Filtro	● MP5138
(●)	Available in F/R/L kit	Disponible en Nécessaire F/R/L	Disponible en juego	PA2078
(*)	Optional	En option	Opcional	

PORTABLE SET-UP -- MONTAGE PORTATIF -- INSTALACION DESMONTABLE

**Additional Components
Pièces Détachées Additionnelles
Componentes Adicionales**
ST1253


For Nailers/Staplers
Pour Cloueuses /Agrafeuses
Para Clavadoras/ Engrapadoras

Always lubricate tools for superior performance and extended life.

Toujours graisser les outils pour la performance supérieure et la durée prolongée.

ST1270


For all other airtools
Pour tout autre outil pneumatique
Para las demás herramientas neumáticas

Siempre lubrique las herramientas para un mejor rendimiento y duración prolongada.

Use teflon tape for air tight connections on all threaded fittings.

Utiliser le ruban téflon pour des connections étanches sur tous les raccords filetés.

Utilice la cinta de teflón en las conexiones neumáticas herméticas de todos los accesorios roscados.

MP5136


Teflon Tape
Ruban téflon
Cinta de teflón

IMPORTANT IMPORTANT IMPORTANT

**DO NOT
RETURN TO
STOP!**

**Call us first at
1-800-543-6400**

**NE PAS
RENOYER
AU MAGASIN**

**Contactez-nous en premier
lieu au 1-800-543-6400**

**NO DEVUELVA LA
UNIDAD A LA
ATIENDA!**

**Sírvase llamarnos primero al
1-800-543-6400**

All Campbell Hausfeld products are engineered and tested to work "First Time Every Time." However, in the event you are not completely satisfied or require assistance, please call us at the toll-free number shown. We'll direct you to one of Campbell Hausfeld's 750 service centers in the United States. If local service is not available, you may be instructed to ship the product with a copy of the original purchase receipt to a regional service center.

If unable to obtain service through our toll-free number, you may return product to the place of purchase in accordance with store return policy

Thank you for purchasing Campbell Hausfeld products.

Tous les produits Campbell Hausfeld sont construits en qualité d'ingénieur et mis à l'essai pour fonctionner "Toujours la Première Foix". Si vous avez des problèmes avec le produit ou si vous avez besoin de l'assistance, s'il-vous-plaît appeler le numéro libre-appel indiqué. Nous vous dirigerons à un des 750 centres de service Campbell Hausfeld aux États-Unis. Si le service local n'est pas disponible, vous pouvez expédier le produit avec une copie de la facture d'achat originale à un centre de service régional.

Si vous ne pouvez obtenir le service avec le numéro libre-appel, vous pouvez retourner le produit à la place d'achat conformément à la politique de remise du magasin.

Merci pour avoir acheté des produits Campbell Hausfeld.

Todos los productos Campbell Hausfeld están fabricados y probados para funcionar "a la primera vez, todas las veces". Sin embargo, en caso de que encuentre dificultades con el producto o requiera ayuda, llame gratis al número telefónico que se indica anteriormente. Lo derivaremos a uno de los 750 Centros de Servicio Campbell Hausfeld en los Estados Unidos. Si no hay servicio local disponible, posiblemente le demos instrucciones para embarcar el producto a un centro de servicio regional, junto con una copia del comprobante de compra.

Si no logra obtener servicio llamando a nuestro número telefónico gratuito, puede devolver el producto al lugar de compra de acuerdo con la política de devolución a la tienda.

Gracias por su interés en los productos Campbell Hausfeld.